Now that the car’s chassis is nearly completed, the tasks have become very minor and very focused.

The braking system has been strengthened. This is done by lowering a lever arm that goes from a block that is powered by the braking motor, to a block that is shifted laterally, which in turn locks the brakes. After coarsely testing the brake by hand, we determined that it needed more power. This was done by lowering the position of attachment of the lever arm on the initial block. This block is made of aluminum. By lowering the position of attachment, we added more lateral force on the second block. This would, in turn, create more braking power. Having strong brakes is very important for an off-road go-kart.
We later filled the engine with gas and ran it for a while to charge the battery. We used the key start in order to ignite the engine. While the engine was running, we found that it was, in fact, charging the battery, which meant that it was hooked up properly. We also observed how the engine would run when put into higher gears. It ran properly.

We made a list of items that would be needed to finalize a few things. These are purchased this week so that they may be implemented next week.

Over the weekend, I visited Brenda Stenglein. The main objective was to borrow the bracket from the bottom of Sean’s seat and use it to finalize our seat bracket coupler. While visiting, she informed us that they had gotten a new, larger seat that Sean is to move into when he grows a bit more. This seat’s bracket is exactly the same as the old seat’s bracket. So Brenda gave me the entire new seat to test. We also discussed the possibility of Sean test-driving the car before the final product.
A head-switch was designed to function as a kill switch for Sean. Sean uses a head switch for his computer. He feels comfortable with this apparatus so we will mimic it in our go-kart. A mechanism is designed and will be mounted on soon.